AMSAT News Service Weekly Bulletins
Issue: ANS-014
Date: 2018-01-14
Sources: amsat-ans-2018-ans-014-weekly-hyperkitty-b168212eaa.txt

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AMSAT NEWS SERVICE
ANS-014.01

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to:
ans-editor at amsat.org.

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SB SAT @ AMSAT $ANS-014.01
ANS-014.01 AMSAT News Service Weekly Bulletins

AMSAT News Service Bulletin 309.01
>From AMSAT HQ KENSINGTON, MD.
November 5, 2017
To All RADIO AMATEURS
BID: $ANS-014.01

Z-Sat Frequency Coordination Submitted to IARU

AMSAT-UK reported that the IARU has received a frequency coordination request from the Komaki Amateur Radio SATCOM Club in Japan for Z-Sat 50kg microsat with two missions:

(1) Mission: BBS service Exchanging messages between amateurs all over the world in amateur service. Any amateur can use the space station like a BBS by uploading and downloading messages. The specific steps includes: An amateur radio station transmits messages to the space station for individual/public and these messages are stored in the space station. Another amateur radio station transmits a specific message to the space station and the space station transmits a reply message whether any message to him exists or not. If exists, the amateur radio station can receive the message by transmitting a specific message to the space station.
Frequency band: - UPLINK : 435-438 MHz
DOWNLINK : 145-146 MHz
(Note: The usage of the BBS is shown in the following URL.

same as ChubuSat-2 except frequencies
https://www.frontier.phys.nagoya-
u.ac.jp/en/chubusat/chubusat_satellite2.html
(2) Mission: The Earth observation Imaging particular site with
    the infrared camera.
Frequency band: - UPLINK : S-band - DOWNLINK : S-band
No launch defined but planning a sun synchronous LEO.
http://www.amsatuk.me.uk/iaru/formal_detail.php?serialnum=580

[ANS thanks AMSAT-UK and the IARU for the above information]

Handy Fox 1D Links

Fox-1D Launch Live Blog
https://www.amsat.org/fox-1d-launch-live-blog/

Fox Telemetry Leaderboard (With links to FoxTelem)
http://www.amsat.org/tlm/

AMSAT Live OSCAR Satellite Status Page (Report Fox-1D reception here)
http://amsat.org/status/

Getting Ready for Fox-1D PDF
https://www.amsat.org/wordpress/wp-content/uploads/2018/01/Getting-
Ready-for-Fox-1D.pdf

Updates will be found on AMSAT's Twitter
account (@AMSAT). Note that you do not need to be a Twitter user to
view AMSAT's tweets.
https://twitter.com/AMSAT

The latest Keps can be found in AMSAT's Keps distribution.
Any tracking software using the AMSAT Keps distribution should
identify new object "99934" after refreshing your Keps.
http://www.amsat.org/amsat/ftp/keps/current/nasabare.txt

[ANS would like to thank Paul Stoetzer, N8HM for the above
information]

Upcoming ARISS Contact Schedule as of 2018-01-12

Quick list of scheduled contacts and events:

Prva srednja informaticka škola, Zagreb, Croatia, telebridge via
VK6MJ
The ISS callsign is presently scheduled to be NA1SS
The scheduled astronaut is Scott Tingle KG5NZA
Contact is a go for: Thu 2018-01-18 08:46:52 UTC 34 deg

ARISS is always glad to receive listener reports for the above
contacts.
ARISS thanks everyone in advance for their assistance. Feel free
to send
your reports to aj9n(a)amsat.org or aj9n(a)aol.com.

Listen for the ISS on the downlink of 145.8Ø MHz.

All ARISS contacts are made via the Kenwood radio unless otherwise
noted.

Several of you have sent me emails asking about the RAC ARISS website and
not being able to get in. That has now been changed to
http://www.ariss.org/

Note that there are links to other ARISS websites from this site.

Looking for something new to do? How about receiving DATV from the ISS?

If interested, then please go to the ARISS-EU website for complete details. Look for the buttons indicating Ham Video.

http://www.ariss-eu.org/

If you need some assistance, ARISS mentor Kerry N6IZW, might be able to
provide some insight. Contact Kerry at kbanke(a)sbcglobal.net
ARISS congratulations the following mentors who have now mentored over 100

schools:

Francesco IKØWGF with 132
Satoshi 7M3TJZ with 127
Gaston ON4WF with 123
Sergey RV3DR with 100

The webpages listed below were all reviewed for accuracy. Out of date
webpages were removed and new ones have been added. If there are additional
ARISS websites I need to know about, please let me know.

Note, all times are approximate. It is recommended that you do your own
orbital prediction or start listening about 10 minutes before the listed
time.
All dates and times listed follow International Standard ISO 8601 date and
time format YYYY-MM-DD HH:MM:SS

The complete schedule page has been updated as of 2018-01-12 00:00 UTC.
(***)
Here you will find a listing of all scheduled school contacts, and questions, other ISS related websites, IRLP and Echolink websites, and instructions for any contact that may be streamed live.

http://www.amsat.org/amsat/ariss/news/arissnews.rtf
http://www.amsat.org/amsat/ariss/news/arissnews.txt

Total number of ARISS ISS to earth school events is 1201.
Each school counts as 1 event.
Total number of ARISS ISS to earth school contacts is 1150.
Each contact may have multiple schools sharing the same time slot.
Total number of ARISS supported terrestrial contacts is 47.

A complete year by year breakdown of the contacts may be found in the file.
http://www.amsat.org/amsat/ariss/news/arissnews.rtf

Please feel free to contact me if more detailed statistics are needed.

The following US states and entities have never had an ARISS contact: Arkansas, Delaware, South Dakota, Wyoming, American Samoa, Guam, Northern Marianas Islands, and the Virgin Islands.

QSL information may be found at:
http://www.ariss.org/qsl-cards.html

ISS callsigns: DPØISS, IRØISS, NA1SS, OR4ISS, RSØISS

The successful school list has been updated as of 2018-01-04 09:00 UTC.

http://www.amsat.org/amsat/ariss/news/Successful_ARISS_schools.rtf

Frequency chart for packet, voice, and crossband repeater modes showing Doppler correction as of 2005-07-29 04:00 UTC
http://www.amsat.org/amsat/ariss/news/ISS_frequencies_and_Doppler_correction.rtf

Listing of ARISS related magazine articles as of 2006-07-10 03:30 UTC.
http://www.amsat.org/amsat/ariss/news/ARISS_magazine_articles.rtf

Check out the Zoho reports of the ARISS contacts

https://reports.zoho.com/ZDBDataSheetView.cc?DBID=412218000000020415

Exp. 53 on orbit
Mark Vande Hei KG5GNP
Alexander Misurkin
Joe Acaba KE5DAR

Exp. 54 on orbit
Scott Tingle KG5NZA
Norishige Kanai
Alexander Skvortsov

[ANS would like to thank Charlie Sufana, AJ9N for the above information]

Nova Maker Faire is coming up March 18th. This year, the venue will be the GMU campus. Attendance last year was over 4000.

Last year's AMSAT presence at the faire was a big hit. I hope you guys can exhibit again.

The organizers would like a placeholder application filled in by Jan 14.
Let me know if you need help with registering.

https://nova.makerfaire.com/cfm/

[ANS would like to thank AMSAT.org Office (Martha) for the above

information]

Fox-1D was successfully launched at 03:59 UTC on the PSLV-C40 mission
from Satish Dhawan Space Centre in Sriharikota, India. UA9UIZ received
and uploaded the first telemetry to AMSAT servers at 05:28 UTC.
Initial telemetry values appear nominal.

The first set of post-launch Keplerian elements are reproduced below:

Fox-1D
1 99934U 1801D   18012.18036412 .00000000 00000-0 00000-0 0   15
2 99934 97.6514 74.0671 0008545 308.1824 275.3575 15.22876478   16

[ANS would like to thank Paul Stoetzer, N8HM for the above
information]

AMSAT North America has issued a statement formally designating
Fox-1D as AO-92:

Fox-1D, a 1U CubeSat, is the third of AMSAT's five Fox-1 CubeSats
to reach orbit, being preceded by AO-85 (Fox-1A) and AO-91 (RadFxSat/
Fox-1B). Fox-1D carries the Fox-1 U/v FM transponder, with an uplink
of 435.350 MHz (67.0 Hz CTCSS) and a downlink of 145.880 MHz. In addi-
tion, Fox-1D carries several university experiments, including a MEMS
gyro from Pennsylvania State University-Erie, a camera from Virginia
Tech, and the University of Iowa's HERCI (High Energy Radiation Cube-
Sat Instrument) radiation mapping experiment. Fox-1D also carries
the AMSAT L-Band Downshifter experiment which enables the FM trans-
ponder to be switched to utilize an uplink of 1267.350 MHz (67.0 Hz
CTCSS).

Fox-1D was sent aloft as a secondary payload on the Indian Space
Research Organisation (ISRO)'s PSLV-XL rocket as part of the PSLV-C40
mission. Fox-1D was one of thirty-one satellites successfully deploy-
ed on this launch.

Since Fox-1D has met all of the qualifications necessary to receive
an OSCAR number, I, by the authority vested in me by the AMSAT
President,
do hereby confer on this satellite the designation AMSAT-OSCAR 92 or
AO-92. I join amateur radio operators in the U.S. and around the
world
in wishing AO-92 a long and successful life in both its amateur and
scientific missions.

I, along with the rest of the amateur community, congratulate all
of the volunteers who worked so diligently to construct, test and
prepare for launch the newest amateur radio satellite.

William A. (Bill) Tynan, W3XO
AMSAT-NA OSCAR Number Administrator

[ANS would like to thank JoAnne, K9JKM for the above
information]

AMSAT Office Closed Monday January 15

The AMSAT Office will be closed on Monday, January 15th in
observance of
Martin Luther King Jr Day.

[ANS would like to thank AMSAT.ORG (Martha) for the above
information]

Satellite Shorts From All Over

+ ARRL is picking up on Fox-1D news.
   http://www.arrl.org/news/view/fox-1d-satellite-set-to-launch-this-
   week-china-to-launch-five-new-cubesats

[ANS Joanne K9JKM, for the above information]

+ AMSAT's next Fox-1 satellite, Fox-1D, is scheduled for launch on
January 12, 2018 from Satish Dhawan Space Centre in Sriharikota,
India.
Fox-1D will launch as part of the PSLV-C40 mission on board a Polar
Satellite Launch Vehicle with Cartosat, an imaging satellite for the
Indian government, and 30 other payloads."

[ANS Jerry Buxton, N0JY for the above information]

+ KK5DO reports we just issued Rover Award #005 to KG5GJT. Congrats
and keep on roving. Find details of the AMSAT Rover Award at:
https://www.amsat.org/amsat-rover-award/

[ANS Joanne K9JKM, for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the
President's Club. Members of the President's Club, as sustaining
donors to AMSAT Project Funds, will be eligible to receive addi-
tional benefits. Application forms are available from the AMSAT
Office.

Primary and secondary school students are eligible for membership
at one-half the standard yearly rate. Post-secondary school students
enrolled in at least half time status shall be eligible for the stu-
dent rate for a maximum of 6 post-secondary years in this status.
Contact Martha at the AMSAT Office for additional student membership
information.

73,
This week's ANS Editor,
Chris Bradley, AA5EM
aa5em at amsat dot org

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Sent via AMSAT-BB(a)amsat.org. AMSAT-NA makes this open forum available
to all interested persons worldwide without requiring membership.

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are solely those of the author, and do not reflect the official
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